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PATENT ABSTRACTS OF JAPAN(21) Application number: **59226813**(51) Intl. Cl.: **B01D 13/01 B01D 13/00 G21**(22) Application date: **30.10.84**

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(54) FILTER

(57) Abstract:

PURPOSE: To back-wash impurities adhering to the external side of a hollow yarn membrane by arranging a scrubbing air pipe with a bubble outlet hole set downward corresponding to the positions of plural suspended filter elements below the filter elements.

CONSTITUTION: A filter has plural filter elements 6 using hollow yarn membrane suspended on a tube plate 5 of a main unit casing 1. A scrubbing air pipe 11 is arranged in lattice form at the inner bottom of the main unit casing 1 corresponding to the lower part of the filter elements 6. A bubble outlet hole 12 is opened downward corresponding to the position of each filter element 6. The air supplied from outside during back-washing pushes out waste liquid accumulated in the scrubbing air pipe 11, hitting the filter element in its ascent and making impurities adhering to the external surface

